

### Status: Path 1 of [Dialog Information Services via Modem]

### Status: Initializing TCP/IP using (UseTelnetProto 1 ServiceID pto-dialog)  
Trying 3106900061...Open

DIALOG INFORMATION SERVICES  
PLEASE LOGON:

\*\*\*\*\* HHHHHHHH SSSSSSSS?

### Status: Signing onto Dialog

\*\*\*\*\*

ENTER PASSWORD:

\*\*\*\*\* HHHHHHHH SSSSSSSS? \*\*\*\*\*

Welcome to DIALOG

### Status: Connected

Dialog level 00.07.20D

Last logoff: 07sep00 13:43:13

Logon file001 14sep00 11:33:16

\*\*\* ANNOUNCEMENT \*\*\*

NEW FILE RELEASED

\*\*\*Prous Science Daily Essentials (Files 458, 459)

\*\*\*WIPO/PCT Patents Fulltext (File 349)

UPDATING RESUMED

\*\*\*TFSD Ownership Database (File 540)

\*\*\*Datamonitor Market Research (File 761)

\*\*\*Dissertation Abstracts Online (File 35)

\*\*\*

RELOADED

\*\*\*Canadian Business Directory (File 533)

\*\*\*D&B International Dun's Market Identifiers (File 518)

\*\*\*D&B European Dun's Market Identifiers (File 521)

\*\*\*Kompas Canada (File 594)

\*\*\*CANCERLIT (File 159)

FILES REMOVED

\*\*\*Thomson Risk Management Database (File 325)

\*\*\*Sacramento Bee (File 496)

\*\*\*Kompas UK (File 591)

>>>Get immediate news with Dialog's First Release  
news service. First Release updates major newswire  
databases within 15 minutes of transmission over the  
wire. First Release provides full Dialog searchability  
and full-text features. To search First Release files in  
OneSearch simply BEGIN FIRST for coverage from Dialog's  
broad spectrum of news wires.

>>> Enter BEGIN HOMEBASE for Dialog Announcements <<<  
>>> of new databases, price changes, etc. <<<

\*\*\*\*

KWIC is set to 50.

HIGHLIGHT set on as '\*'

File 1:ERIC 1966-2000/Sep 07

(c) format only 2000 The Dialog Corporation

Set Items Description

--- ----

?b 155, 5, 73

14sep00 11:33:30 User259876 Session D109.1

\$0.41 0.118 DialUnits File1

\$0.41 Estimated cost File1

\$0.01 TYMNET  
\$0.42 Estimated cost this search  
\$0.42 Estimated total session cost 0.118 DialUnits

SYSTEM:OS - DIALOG OneSearch

File 155:MEDLINE(R) 1966-2000/Nov W1

(c) format only 2000 Dialog Corporation

File 5:BIOSIS Previews(R) 1969-2000/Sep W3

(c) 2000 BIOSIS

File 73:EMBASE 1974-2000/Aug W2

(c) 2000 Elsevier Science B.V.

**\*File 73: Update codes are currently undergoing readjustment.**

For details type Help News73.

Set	Items	Description
-----		
?s	(genetic (w) immunization) or (DNA (w) vaccine)	
	936629	GENETIC
	152867	IMMUNIZATION
	421	GENETIC(W)IMMUNIZATION
	1532833	DNA
	181153	VACCINE
	1997	DNA(W)VACCINE
S1	2358	(GENETIC (W) IMMUNIZATION) OR (DNA (W) VACCINE)
?s	(B-cell (w) epitope) or (T-cell (w) epitope)	
	1047	B-CELL
	72518	EPITOPE
	0	B-CELL(W)EPITOPE
	2300	T-CELL
	72518	EPITOPE
	0	T-CELL(W)EPITOPE
S2	0	(B-CELL (W) EPITOPE) OR (T-CELL (W) EPITOPE)
?s	(T (w) cell (w) epitope) or (B (w) cell (w) epitope)	
Processing		
	3562823	T
	5139993	CELL
	72518	EPITOPE
	2599	T(W)CELL(W)EPITOPE
	1405199	B
	5139993	CELL
	72518	EPITOPE
	1185	B(W)CELL(W)EPITOPE
S3	3462	(T (W) CELL (W) EPITOPE) OR (B (W) CELL (W) EPITOPE)
?s	s1 and s3	
	2358	S1
	3462	S3
S4	16	S1 AND S3
?rd		
...completed examining records		
S5	11	RD (unique items)
?t	s5/3,k/all	

**5/3,K/1 (Item 1 from file: 155)**

DIALOG(R) File 155:MEDLINE(R)

(c) format only 2000 Dialog Corporation. All rts. reserv.

09564384 .98301629

**Boosting with recombinant vaccinia increases immunogenicity and protective efficacy of malaria \*DNA\* \*vaccine\*.**

Sedegah M; Jones TR; Kaur M; Hedstrom R; Hobart P; Tine JA; Hoffman SL  
Malaria Program, Naval Medical Research Institute, Bethesda, MD  
20889-5607, USA.

Proceedings of the National Academy of Sciences of the United States of  
America (UNITED STATES) Jun 23 1998, 95 (13) p7648-53, ISSN 0027-8424  
Journal Code: PV3

Languages: ENGLISH  
Document type: JOURNAL ARTICLE

**Boosting with recombinant vaccinia increases immunogenicity and protective efficacy of malaria \*DNA\* \*vaccine\*.**

... IFN)-gamma-dependent protection of mice against challenge with Py sporozoites. Immunization with a multiple antigenic peptide, including the only reported H-2Kd-restricted CD8+ \*T\* \*cell\* \*epitope\* on the PyCSP (PyCSP CTL multiple antigenic peptide) and immunization with recombinant vaccinia expressing the PyCSP induced CTL but only modest to minimal protection. Mice...

5/3,K/2 (Item 2 from file: 155)  
DIALOG(R) File 155:MEDLINE(R)  
(c) format only 2000 Dialog Corporation. All rts. reserv.

08759545 96180188

**Induction of cytotoxic T lymphocytes and antitumor immunity with DNA vaccines expressing single T cell epitopes.**

Ciernik IF; Berzofsky JA; Carbone DP  
Simmons Cancer Center, University of Texas, Southwestern Medical Center, Dallas, TX 75235, USA.

Journal of immunology (UNITED STATES) Apr 1 1996, 156 (7) p2369-75,  
ISSN 0022-1767 Journal Code: IFB

Languages: ENGLISH

Document type: JOURNAL ARTICLE

... of genetic expression constructs into living animals can effectively induce both humoral and cellular immunity to the expressed proteins. Here we test the effectiveness of \*genetic\* \*immunization\* with a minigene coding for single epitopes derived from mutant p53 or from HIV gp120. We show that when these constructs are delivered by particle...

... frame with the adenovirus E3 leader sequence to target the epitope to the endoplasmic reticulum, thus acting like a genetic adjuvant. We conclude that genetic \*T\* \*cell\* \*epitope\* immunization is an alternative to peptide-based techniques for eliciting an effective immune response targeted against a single defined epitope. In some cases, the fusion of the gene product of the \*DNA\* \*vaccine\* vector with an endoplasmic reticulum targeting sequence may enhance immune induction.

5/3,K/3 (Item 1 from file: 5)  
DIALOG(R) File 5:Biosis Previews(R)  
(c) 2000 BIOSIS. All rts. reserv.

12256929 BIOSIS NO.: 200000010431

**Effects of the configuration of a multi-epitope chimeric malaria \*DNA\* \*vaccine\* on its antigenicity to mice.**

AUTHOR: Jiang Yanfang; Lin Chengtao; Yin Bin; He Xiangyun; Mao Yinghong; Dong Min; Xu Pei; Zhang Lianhui; Liu Baofeng; Wang Heng(a)

AUTHOR ADDRESS: (a)No. 5 Dong Dan San Tiao, Rm. 562, Beijing, 100005\*\*China  
1999

JOURNAL: Chinese Medical Journal (English Edition) 112 (8):p686-690 Aug., 1999

ISSN: 0366-6999

DOCUMENT TYPE: Article

RECORD TYPE: Abstract

LANGUAGE: English

SUMMARY LANGUAGE: English

**Effects of the configuration of a multi-epitope chimeric malaria \*DNA\* \*vaccine\* on its antigenicity to mice.**

...ABSTRACT: using a pair of isocaudamers on the vector, different single

copies of B epitopes were multiplied and were tenderly stringed into two groups of chimeric \*DNA\* \*vaccine\* with different configurations. BALB/c mice were immunized with these DNA plasmids by either intramuscular or intradermal injections. Results: The antisera from the immunized mice...

...T helper cell epitopes configured with the B cell epitopes did not enhance antibody response, and some configurations even decreased the humoral response to a \*B\* \*cell\* \*epitope\*. Conclusion: This study demonstrated that both combination and configuration of the epitope may affect the antigenicity of a chimeric multiple antigen.

DESCRIPTORS:

CHEMICALS & BIOCHEMICALS: \*B\* \*cell\* \*epitope\*; ...

...multi-epitope chimeric malaria \*DNA\* \*vaccine\*

5/3,K/4 (Item 2 from file: 5)  
DIALOG(R)File 5:Biosis Previews(R)  
(c) 2000 BIOSIS. All rts. reserv.

12040716 BIOSIS NO.: 199900321235

**Ty virus-like particles, DNA vaccines and Modified Vaccinia Virus Ankara; comparisons and combinations.**

AUTHOR: Gilbert Sarah C(a); Schneider Jorg; Plebanski Magdalena; Hannan Carolyn M; Blanchard Tom J; Smith Geoff L; Hill Adrian VS

AUTHOR ADDRESS: (a)Wellcome Trust Centre for Human Genetics, University of Oxford, Windmill Road, Oxford, OX3 7BN\*\*UK

1999

JOURNAL: Biological Chemistry 380 (3):p299-303 March, 1999

ISSN: 1431-6730

DOCUMENT TYPE: Article

RECORD TYPE: Abstract

LANGUAGE: English

SUMMARY LANGUAGE: English

ABSTRACT: Three types of vaccine, all expressing the same antigen from Plasmodium berghei, or a CD8+ \*T\* \*cell\* \*epitope\* from that antigen, were compared for their ability to induce CD8+ T cell responses in mice. Higher levels of lysis and numbers of IFN-gamma...

DESCRIPTORS:

CHEMICALS & BIOCHEMICALS: \*DNA\* \*vaccine\*;

5/3,K/5 (Item 3 from file: 5)  
DIALOG(R)File 5:Biosis Previews(R)  
(c) 2000 BIOSIS. All rts. reserv.

11657029 BIOSIS NO.: 199800438760

**Protection by minigenes: A novel approach of DNA vaccines.**

AUTHOR: Yu Zhiya(a); Karem Kevin L; Kanangat Sivadesan; Manickan Elanchezhian; Rouse Barry T

AUTHOR ADDRESS: (a)Immunol. Dep., Mayo Clin., 828 Guggenheim Build., 200 First St. SW, Rochester, MN 55905\*\*USA

1998

JOURNAL: Vaccine 16 (17):p1660-1667 Oct., 1998

ISSN: 0264-410X

DOCUMENT TYPE: Article

RECORD TYPE: Abstract

LANGUAGE: English

DESCRIPTORS:

CHEMICALS & BIOCHEMICALS: herpes simplex virus cytotoxic T and \*B\* \*cell\* \*epitope\* minigene cassette...

MISCELLANEOUS TERMS: ...\*DNA\* \*vaccine\* development

5/3,K/6 (Item 4 from file: 5)  
DIALOG(R)File 5:Biosis Previews(R)  
(c) 2000 BIOSIS. All rts. reserv.

10357637 BIOSIS NO.: 199698812555  
**Induction of cytotoxic T lymphocytes with a \*DNA\* \*vaccine\* expressing a single \*T\* \*cell\* \*epitope\* after gene transfer to the skin.**  
AUTHOR: Ciernik I F(a); Berzofsky J A; Carbone D  
AUTHOR ADDRESS: (a)Cent. Hop. Univ. Vaudois, Lausanne 1011\*\*Switzerland 1996  
JOURNAL: Proceedings of the American Association for Cancer Research Annual Meeting 37 (0):p341 1996  
CONFERENCE/MEETING: 87th Annual Meeting of the American Association for Cancer Research Washington, D.C., USA April 20-24, 1996  
ISSN: 0197-016X  
RECORD TYPE: Citation  
LANGUAGE: English

**Induction of cytotoxic T lymphocytes with a \*DNA\* \*vaccine\* expressing a single \*T\* \*cell\* \*epitope\* after gene transfer to the skin.**

5/3,K/7 (Item 5 from file: 5)  
DIALOG(R)File 5:Biosis Previews(R)  
(c) 2000 BIOSIS. All rts. reserv.

09885615 BIOSIS NO.: 199598340533  
**\*Genetic\* \*immunization\* maps immune responses against a sequence shared between the EBV protein Balf2 and the pJRA-related HLA allele DRB1\*0801.**  
AUTHOR: La Cava Antonio(a); Xu Lan; Montemayor Ann; Carson Dennis A; Albani Salvatore  
AUTHOR ADDRESS: (a)Dep. Pediatr. Med., Univ. Calif., San Diego, CA 92093-0663\*\*USA 1995  
JOURNAL: Journal of Cellular Biochemistry Supplement 0 (21A):p123 1995  
CONFERENCE/MEETING: Keystone Symposium on Control and Manipulation of the Immune Response Taos, New Mexico, USA March 16-22, 1995  
ISSN: 0733-1959  
RECORD TYPE: Citation  
LANGUAGE: English

**\*Genetic\* \*immunization\* maps immune responses against a sequence shared between the EBV protein Balf2 and the pJRA-related HLA allele DRB1\*0801.**  
MISCELLANEOUS TERMS: ...\*T\*-\*CELL\* \*EPITOPE\*

5/3,K/8 (Item 1 from file: 73)  
DIALOG(R)File 73:EMBASE  
(c) 2000 Elsevier Science B.V. All rts. reserv.

10598657 EMBASE No: 2000063895  
**Inhibition of immunoglobulin E response to Japanese cedar pollen allergen (Cry j 1) in mice by DNA immunization: Different outcomes dependent on the plasmid DNA inoculation method**  
Toda M.; Sato H.; Takebe Y.; Taniguchi Y.; Saito S.; Inouye S.; Takemori T.; Sakaguchi M.  
Dr. M. Sakaguchi, National Inst. Infectious Diseases, Department of Immunology, Toyama 1-23-1, Shinjyuku-ku, Tokyo 162-8640 Japan  
Immunology ( IMMUNOLOGY ) (United Kingdom) 2000, 99/2 (179-186)  
CODEN: IMMUA ISSN: 0019-2805  
DOCUMENT TYPE: Journal; Article  
LANGUAGE: ENGLISH SUMMARY LANGUAGE: ENGLISH  
NUMBER OF REFERENCES: 36

...gamma), but not interleukin (IL)-4, in vitro upon stimulation with Cry j 1 as well as with p277-288, a peptide corresponding to the \*T\*-\*cell\*

\*epitope\* of Cry j 1. In contrast, inoculation of BALB/c mice with pCACJ1 by gene gun injection caused response predominantly of the IgG1 type, and

...

**DRUG DESCRIPTORS:**

**\*\*DNA\* \*vaccine\*;** \*immunoglobulin E--endogenous compound--ec; \*plasmid DNA;  
\*pollen antigen

5/3,K/9 (Item 2 from file: 73)

DIALOG(R)File 73:EMBASE

(c) 2000 Elsevier Science B.V. All rts. reserv.

07809009 EMBASE No: 1999298477

**Identification of amino acid residues of the \*T\*-\*cell\* \*epitope\* of  
Mycobacterium tuberculosis alpha antigen critical for Vbetallsup + Th1  
cells**

Kariyone A.; Higuchi K.; Yamamoto S.; Nagasaka-Kametaka A.; Harada M.;  
Takahashi A.; Harada N.; Ogasawara K.; Takatsu K.

K. Takatsu, Department of Immunology, Institute of Medical Science,  
University of Tokyo, 4-6-1 Shirokanedai, Minato-ku, Tokyo 108-8639 Japan  
AUTHOR EMAIL: takatsuk@ims.u-tokyo.ac.jp

Infection and Immunity ( INFECT. IMMUN. ) (United States) 1999, 67/9  
(4312-4319)

CODEN: INFIB ISSN: 0019-9567

DOCUMENT TYPE: Journal; Article

LANGUAGE: ENGLISH SUMMARY LANGUAGE: ENGLISH

NUMBER OF REFERENCES: 54

**Identification of amino acid residues of the \*T\*-\*cell\* \*epitope\* of  
Mycobacterium tuberculosis alpha antigen critical for Vbetallsup + Th1  
cells**

**DRUG DESCRIPTORS:**

\*t lymphocyte receptor; \*\*DNA\* \*vaccine\*--drug development--dv; \*\*DNA\*  
\*vaccine\*--pharmaceutics--pr

5/3,K/10 (Item 3 from file: 73)

DIALOG(R)File 73:EMBASE

(c) 2000 Elsevier Science B.V. All rts. reserv.

07274384 EMBASE No: 1998156940

**Vaccination with DNA encoding an immunodominant myelin basic protein  
peptide targeted to Fc of immunoglobulin G suppresses experimental  
autoimmune encephalomyelitis**

Lobell A.; Weissert R.; Storch M.K.; Svanholm C.; De Graaf K.L.; Lassmann  
H.; Andersson R.; Olsson T.; Wigzell H.

A. Lobell, Pharmacia and Upjohn, 112 87 Stockholm Sweden

AUTHOR EMAIL: anna.lobell@eu.pnu.com

Journal of Experimental Medicine ( J. EXP. MED. ) (United States) 04 MAY  
1998, 187/9 (1543-1548)

CODEN: JEMEA ISSN: 0022-1007

DOCUMENT TYPE: Journal; Article

LANGUAGE: ENGLISH SUMMARY LANGUAGE: ENGLISH

NUMBER OF REFERENCES: 25

...is an autoaggressive disease in the central nervous system and an  
animal model for multiple sclerosis. Lewis rats were vaccinated with DNA  
encoding an encephalitogenic \*T\* \*cell\* \*epitope\*, guinea pig myelin basic  
protein peptide 68-85 (MBP68-85), before induction of EAE with MBP68-85 in  
complete Freund's adjuvant. Compared to vaccination...

**DRUG DESCRIPTORS:**

\*myelin basic protein--drug development--dv; \*myelin basic protein--drug  
therapy--dt; \*immunoglobulin fc fragment; \*\*dna\* \*vaccine\*--drug  
development--dv; \*\*dna\* \*vaccine\*--drug therapy--dt

5/3,K/11 (Item 4 from file: 73)  
DIALOG(R) File 73:EMBASE  
(c) 2000 Elsevier Science B.V. All rts. reserv.

06815866 EMBASE No: 1997098358

**Melanoma vaccines: Prospects for the treatment of melanoma**

Hersey P.

P. Hersey, Oncology and Immunology Unit, Department of Surgery, John Hunter Hospital, Cnr. King and Watt Streets, Newcastle, NSW 2300 Australia

Expert Opinion on Investigational Drugs. (EXPERT OPIN. INVEST. DRUGS) United Kingdom) 1997, 6/3 (267-277)

CODEN: EOIDE ISSN: 1354-3784

DOCUMENT TYPE: Journal; Review

LANGUAGE: ENGLISH SUMMARY LANGUAGE: ENGLISH

NUMBER OF REFERENCES: 95

...code for melanoma antigens. Experimental studies on the use of naked DNA as vaccines are also proceeding. Several fundamental obstacles preventing the effective use of \*T\*--\*cell\*.\*epitope\* vaccines remain. These include selection of HLA and tumour antigen loss variants by the immune system, and conditioning of an ineffective immune response by the...

**DRUG DESCRIPTORS:**

...endogenous compound--ec; bcg vaccine--drug therapy--dt; carmustine--drug therapy--dt; cisplatin--drug therapy--dt; cyclophosphamide--drug therapy--dt; cytokine; dacarbazine--drug therapy--dt; \*dna\* \*vaccine\*--drug therapy--dt; \*dna\* \*vaccine\*--drug development--dv; epitope--endogenous compound--ec; granulocyte macrophage colony stimulating factor--drug therapy--dt; interferon--drug therapy--dt; interleukin 12--drug therapy--dt; interleukin...

?ds

Set	Items	Description
S1	2358	(GENETIC (W) IMMUNIZATION) OR (DNA (W) VACCINE)
S2	0	(B-CELL (W) EPITOPE) OR (T-CELL (W) EPITOPE)
S3	3462	(T (W) CELL (W) EPITOPE) OR (B (W) CELL (W) EPITOPE)
S4	16	S1 AND S3
S5	11	RD (unique items)

?s s5 and (coated (w) particle?)

11	S5
90804	COATED
249948	PARTICLE?
964	COATED(W)PARTICLE?
S6	0
S5 AND (COATED (W) PARTICLE?)	

?s s1 and (human)

**Processing**

2358	S1
15755829	HUMAN
S7	1164
S1 AND (HUMAN)	
?s s7 and (ex (w) vivo (w) gene therapy)	
1164	S7
51913	EX
810504	VIVO
26603	GENE THERAPY
0	EX(W)VIVO(W)GENE THERAPY
S8	0
S7 AND (EX (W) VIVO (W) GENE THERAPY)	

?s s1 and (human (w) trial)

**Processing**

2358	S1
15755829	HUMAN
481510	TRIAL
215	HUMAN(W)TRIAL
S9	1
S1 AND (HUMAN (W) TRIAL)	

?t s9/3,k/all

9/3,K/1 (Item 1 from file: 73)

DIALOG(R) File 73:EMBASE  
(c) 2000 Elsevier Science B.V. All rts. reserv.

07357024 EMBASE No: 1998238264

**First \*human\* \*trial\* of a DNA-based vaccine for treatment of human immunodeficiency virus type 1 infection: Safety and host response**

Macgregor R.R.; Boyer J.D.; Ugen K.E.; Lacy K.E.; Glückman S.J.; Bagarazzi M.L.; Chattergoon M.A.; Baine Y.; Higgins T.J.; Ciccarelli R.B.; Coney L.R.; Ginsberg R.S.; Weiner D.B.

Dr. R.R. Macgregor, Infectious Diseases Division, Univ. of Pennsylvania Sch. of Med., 536 Johnson Pavilion, Philadelphia, PA 19104-6073 United States

AUTHOR EMAIL: macgregr@mail.med.upenn.edu

Journal of Infectious Diseases ( J. INFECT. DIS. ) (United States) 1998  
178/1 (92-100)

CODEN: JIDIA- ISSN: 0022-1899

DOCUMENT TYPE: Journal; Article

LANGUAGE: ENGLISH SUMMARY LANGUAGE: ENGLISH

NUMBER OF REFERENCES: 54

**First \*human\* \*trial\* of a DNA-based vaccine for treatment of human immunodeficiency virus type 1 infection: Safety and host response**

DRUG DESCRIPTORS:

\*\*dna\* \*vaccine\*--adverse drug reaction--ae; \*\*dna\* \*vaccine\*--clinical trial--ct; \*\*dna\* \*vaccine\*--drug dose--do; \*\*dna\* \*vaccine\*--drug therapy--dt; \*\*dna\* \*vaccine\*--pharmacology--pd; \*human immunodeficiency virus vaccine--adverse drug reaction--ae; \*human immunodeficiency virus vaccine--clinical trial--ct; \*human immunodeficiency virus vaccine--drug dose--do; \*human...

?ds

Set	Items	Description
S1	2358	(GENETIC (W) IMMUNIZATION) OR (DNA (W) VACCINE)
S2	0	(B-CELL (W) EPITOPE) OR (T-CELL (W) EPITOPE)
S3	3462	(T (W) CELL (W) EPITOPE) OR (B (W) CELL (W) EPITOPE)
S4	16	S1 AND S3
S5	11	RD (unique items)
S6	0	S5 AND (COATED (W) PARTICLE?)
S7	1164	S1 AND (HUMAN)
S8	0	S7 AND (EX (W) VIVO (W) GENE THERAPY)
S9	1	S1 AND (HUMAN (W) TRIAL)

?s s1 and (ex (w) vivo )

2358 S1

51913 EX

810504 VIVO

28273 EX(W)VIVO

S10 26 S1 AND (EX (W) VIVO )

?rd

...completed examining records

S11 14 RD (unique items)

?t s11/3,k/all

11/3,K/1 (Item 1 from file: 155)

DIALOG(R) File 155:MEDLINE(R)

(c) format only 2000 Dialog Corporation. All rts. reserv.

10455478 20322687

**Genetically modified dendritic cells prime autoreactive T cells through a pathway independent of CD40L and interleukin 12: implications for cancer vaccines.**

Wan Y; Bramson J; Pilon A; Zhu Q; Gauldie J

Department of Pathology and Molecular Medicine, Center for Gene Therapeutics, McMaster University, Hamilton, Ontario, Canada.

Cancer research (UNITED STATES) Jun 15 2000, 60 (12) p3247-53, ISSN 0008-5472 Journal Code: CNF

Languages: ENGLISH



Document type: JOURNAL ARTICLE

\*Genetic\* \*immunization\* through \*ex\* \*vivo\* transduction of dendritic cells has been suggested as an effective approach to enhance antitumor immunity by activating both CD4+ and CD8+ T cells. Immunizing mice...

11/3,K/2 (Item 2 from file: 155)  
DIALOG(R) File 155:MEDLINE(R)  
(c) format only 2000 Dialog Corporation. All rts. reserv.

10452139 20182114

**Quantitative and qualitative analyses of the immune responses induced by a multivalent minigene \*DNA\* \*vaccine\*.**

An LL; Rodriguez F; Harkins S; Zhang J; Whitton JL  
Department of Neuropharmacology, CVN-9, The Scripps Research Institute,  
La Jolla, CA 92037, USA.

Vaccine (ENGLAND) Apr 14 2000, 18 (20) p2132-41, ISSN 0264-410X

Journal Code: X60

Contract/Grant No.: AI-37186, AI, NIAID

Languages: ENGLISH

Document type: JOURNAL ARTICLE

**Quantitative and qualitative analyses of the immune responses induced by a multivalent minigene \*DNA\* \*vaccine\*.**

... intracellular cytokine staining, we show that immunization with a plasmid encoding a full-length protein induces epitope-specific CD8(+) T cells which are detectable directly \*ex\* \*vivo\*, and constitute approximately 2% of the vaccinee's splenic CD8(+) T cells. In contrast, such cells are undetectable directly \*ex\* \*vivo\* in recipients of a minigene vaccine. Nevertheless, the minigene plasmid does induce a low number of epitope-specific CD8(+) T cells, which can be amplified...

11/3,K/3 (Item 3 from file: 155)  
DIALOG(R) File 155:MEDLINE(R)  
(c) format only 2000 Dialog Corporation. All rts. reserv.

10338462 20148953

**Immune responses following neonatal DNA vaccination are long-lived, abundant, and qualitatively similar to those induced by conventional immunization.**

Hassett DE; Zhang J; Slifka M; Whitton JL  
Department of Neuropharmacology, The Scripps Research Institute, La Jolla, California 92037, USA.

Journal of virology (UNITED STATES) Mar 2000, 74 (6) p2620-7, ISSN 0022-538X Journal Code: KCV

Contract/Grant No.: AI-37186, AI, NIAID

Languages: ENGLISH

Document type: JOURNAL ARTICLE

... are maintained for a significant part of the animal's life span. We employ a sensitive technique which permits the first demonstration and quantitation, directly \*ex\* \*vivo\*, of virus-specific CD8(+) T cells induced by DNA immunization. One year postvaccination, antigen-specific CD8(+) T cells were readily detectable and constituted 0.5 to 1% of all CD8(+) T cells. By several criteria-including cytokine production, perforin content, development of lytic ability, and protective capacity-\*DNA\* \*vaccine\*-induced CD8(+) memory T cells were indistinguishable from memory cells induced by immunization with a conventional (live-virus) vaccine. Analyses of long-term humoral immune...

11/3,K/4 (Item 4 from file: 155)  
DIALOG(R) File 155:MEDLINE(R)  
(c) format only 2000 Dialog Corporation. All rts. reserv.

09594262 98350799

**The role of T cell subsets and cytokines in the regulation of intracellular bacterial infection.**

Oliveira SC; Harms JS; Rech EL; Rodarte RS; Bocca AL; Goes AM; Splitter GA

Departamento de Bioquímica e Imunologia, Universidade Federal de Minas Gerais, Belo Horizonte, MG, Brasil. scozeus@mono.icb.ufmg.br

Brazilian journal of medical and biological research (BRAZIL) Jan 1998, 31 (1) p77-84, ISSN 0100-879X Journal Code: BOF

Languages: ENGLISH

Document type: JOURNAL ARTICLE

... with B. abortus have demonstrated that protective immunity to brucellosis is especially dependent on CD8+ T cells. To target MHC class I presentation we transfected \*ex\* \*vivo\* a murine macrophage cell line with B. abortus genes and adoptively transferred them to BALB/c mice. These transgenic macrophage clones induced partial protection in...

... activate the protective T cell subset. Lastly, as a new strategy for priming a specific class I-restricted T cell response in vivo, we used \*genetic\* \*immunization\* by particle bombardment-mediated gene transfer.

11/3,K/5 (Item 5 from file: 155)

DIALOG(R) File 155:MEDLINE(R)

(c) format only 2000 Dialog Corporation. All rts. reserv.

09266490 97378930

**Protection against tuberculosis by a plasmid \*DNA\* \*vaccine\*.**

Lowrie DB; Silva CL; Colston MJ; Ragno S; Tascon RE

NIMR, London, UK.

Vaccine (ENGLAND) Jun 1997, 15 (8) p834-8, ISSN 0264-410X

Journal Code: X60

Languages: ENGLISH

Document type: JOURNAL ARTICLE

**Protection against tuberculosis by a plasmid \*DNA\* \*vaccine\*.**

...cloned genes and suitable vectors has now opened a new avenue in which individual mycobacterial protein antigens are synthesised within transfected mammalian cells. In an \*ex\* \*vivo\* transfection approach with a retroviral vector we found that even a single antigen (hsp65) could evoke strong protection when expressed as a transgene and that...

11/3,K/6 (Item 6 from file: 155)

DIALOG(R) File 155:MEDLINE(R)

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08653710 96252198

**Gene gun delivery of mRNA in situ results in efficient transgene expression and \*genetic\* \*immunization\*.**

Qiu P; Ziegelhoffer P; Sun J; Yang NS

Department of Cancer Gene Therapy, Agracetus Inc, Middleton, WI 53562, USA.

Gene therapy (ENGLAND) Mar 1996, 3 (3) p262-8, ISSN 0969-7128

Journal Code: CCE

Languages: ENGLISH

Document type: JOURNAL ARTICLE

**Gene gun delivery of mRNA in situ results in efficient transgene expression and \*genetic\* \*immunization\*.**

The use of mRNA to transfer genetic information into mammalian somatic cells in vivo or \*ex\* \*vivo\* may be advantageous in a number of gene therapy protocols. Success in utilizing in vivo RNA delivery for transgene expression has been extremely limited, partially...

11/3,K/7 (Item 7 from file: 155)  
DIALOG(R) File 155:MEDLINE(R)  
(c) format only 2000 Dialog Corporation. All rts. reserv.

08063691 95072131

**Cytotoxic T lymphocyte and antibody responses generated in rhesus monkeys immunized with retroviral vector-transduced fibroblasts expressing human immunodeficiency virus type-1 IIIB ENV/REV proteins.**

Laube LS; Burrascano M; Dejesus CE; Howard BD; Johnson MA; Lee WT; Lynn AE; Peters G; Ronlov GS; Townsend KS; et al

Viagene, Inc., San Diego, CA 92121.

Human gene therapy (UNITED STATES) Jul 1994, 5 (7) p853-62, ISSN 1043-0342 Journal Code: A12

Languages: ENGLISH

Document type: JOURNAL-ARTICLE

... progression. The cellular immune response, in particular cytotoxic T lymphocyte (CTL) activity, may be important for eliminating virally infected cells in HIV-1-infected individuals. \*Genetic\* \*immunization\* using retroviral vectors provides an effective means of introducing antigens into the antigen presentation pathways for T cell stimulation. A nonreplicating, amphotropic murine retroviral vector...

... administered at 2-week intervals. The animals were evaluated for both the induction of HIV-1-specific immune responses and potential toxicity associated with this \*ex\* \*vivo\* treatment. The VTAF-immunized monkeys generated CTL responses specific for HIV-1 ENV/REV expressing autologous target cells, whereas, NTAF-immunized monkeys showed negligible CTL...

... expressing HIV-1 IIIB ENV/REV proteins to stimulate immune responses in a non-human primate model, and provides a basis for this form of \*genetic\* \*immunization\* in HIV-infected humans.

11/3,K/8 (Item 1 from file: 5)  
DIALOG(R) File 5:Biosis Previews(R)  
(c) 2000 BIOSIS. All rts. reserv.

12370762 BIOSIS NO.: 200000124264

**Latest developments in gene transfer technology: Achievements, perspectives, and controversies over therapeutic applications.**

AUTHOR: Romano Gaetano(a); Micheli Pietro; Pacilio Carmen; Giordano Antonio  
AUTHOR ADDRESS: (a) Kimmel Cancer Center, Jefferson Medical College, Thomas Jefferson University, 233 South 10th Street, 624 Bluemle Life Sciences Building, Philadelphia, PA, 19107\*\*USA

2000

JOURNAL: Stem Cells (Miamisburg) 18 (1):p19-39 2000

ISSN: 1066-5099

DOCUMENT TYPE: Literature-Review

RECORD TYPE: Abstract

LANGUAGE: English

SUMMARY LANGUAGE: English

...ABSTRACT: to implement procedures of allogeneic tissues or cell transplantation. In addition, gene transfer technology has allowed for the development of innovative vaccine design, known as \*genetic\* \*immunization\*. This technique has already been applied in the AIDS vaccine programs in the USA. These programs aim to confer protective immunity against HIV-1 transmission...

MISCELLANEOUS TERMS: \*ex\*-\*vivo\* gene transfer...

...\*genetic\* \*immunization\*;

11/3,K/9 (Item 1 from file: 73)  
DIALOG(R)File 73:EMBASE  
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10675987 EMBASE No: 2000157301

**Induction of AIDS virus-specific CTL activity in fresh, unstimulated peripheral blood lymphocytes from rhesus macaques vaccinated with a DNA prime/modified vaccinia virus Ankara boost regimen**

Allen T.M.; Vogel T.U.; Fuller D.H.; Mothe B.R.; Steffen S.; Boyson J.E.; Shipley T.; Fullers J.; Hanke T.; Sette A.; Altman J.D.; Moss B.; McMichael A.J.; Watkins D.I.

Dr. T.M. Allen, Wisconsin Reg. Primate Res. Center, University of Wisconsin, Madison, WI 53715 United States

AUTHOR EMAIL: tallen@primate.wisc.edu

Journal of Immunology ( J. IMMUNOL. ) (United States) 01 MAY 2000, 164/9 (4968-4978)

CODEN: JOIMA ISSN: 0022-1767

DOCUMENT TYPE: Journal; Article

LANGUAGE: ENGLISH SUMMARY LANGUAGE: ENGLISH

NUMBER OF REFERENCES: 74

...frequency of Ag-specific cells, and intracellular IFN-gamma staining demonstrated that the majority of these cells produced IFN-gamma after peptide stimulation. Moreover, direct \*ex\* \*vivo\* SIV-specific cytotoxic activity could be detected in PBMC from live of the six DNA/MVA-vaccinated animals, indicating that this epitope-based DNA prime...

**DRUG DESCRIPTORS:**

\*Human immunodeficiency virus vaccine--drug development--dv; \*Human immunodeficiency virus vaccine--pharmaceutics--pr; \*Human immunodeficiency virus vaccine--pharmacology--pd; \*\*DNA\* \*vaccine\*--drug development--dv; \*DNA\* \*vaccine\*--pharmaceutics--pr; \*\*DNA\* \*vaccine\*--pharmacology--pd

11/3,K/10 (Item 2 from file: 73)  
DIALOG(R)File 73:EMBASE  
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10615327 EMBASE No: 2000080577

**Protective DNA vaccination against organ-specific autoimmunity is highly specific and discriminates between single amino acid substitutions in the peptide autoantigen**

Weissert R.; Lobell A.; De Graaf K.L.; Eltayeb S.Y.; Andersson R.; Olsson T.; Wigzell H.

R. Weissert, Department of Neurology, University of Tuebingen;

Hoppe-Seyler-Strasse 3, D-72076 Tuebingen Germany

AUTHOR EMAIL: robert.weissert@uni-tuebingen.de

Proceedings of the National Academy of Sciences of the United States of America ( PROC. NATL. ACAD. SCI. U. S. A. ) (United States) 15 FEB 2000

97/4 (1689-1694)

CODEN: PNAS A ISSN: 0027-8424

DOCUMENT TYPE: Journal; Article

LANGUAGE: ENGLISH SUMMARY LANGUAGE: ENGLISH

NUMBER OF REFERENCES: 19

...vaccination exquisitely discriminates between peptide target autoantigens. No bystander suppression was observed. The exact underlying mechanisms remain elusive because no simple correlation between impact on \*ex\* \*vivo\* responses and protection against disease were noted.

**DRUG DESCRIPTORS:**

\*\*DNA\* \*vaccine\*--drug therapy--dt; \*\*DNA\* \*vaccine\*--pharmacology--pd; \*myelin basic protein--endogenous compound--ec; \*autoantigen

11/3,K/11 (Item 3 from file: 73)  
DIALOG(R)File 73:EMBASE  
(c) 2000 Elsevier Science B.V. All rts. reserv.

07893226 EMBASE No: 1999367010

**Plasmid DNA vaccines are effective in the absence of IFNgamma**

Hassett D.E.; Zhang J.; Whitton J.L.

J.L. Whitton, Department of Neuropharmacology, Scripps Research  
Institute, 10550 N. Torrey Pines Rd., San Diego, CA 92037 United States

AUTHOR EMAIL: lwhitton@scripps.edu

Virology ( VIROLOGY ) (United States) 10 OCT 1999, 263/1 (175-183)

CODEN: VIRLA ISSN: 0042-6822

DOCUMENT TYPE: Journal; Article

LANGUAGE: ENGLISH SUMMARY LANGUAGE: ENGLISH

NUMBER OF REFERENCES: 43

...positive (BALB/c) and IFNgamma-negative (GKO) mice responded to DNA  
vaccination by the development of antigen-specific CD8sup + T cells, which  
were detectable directly \*ex\* \*vivo\* by intracellular cytokine staining and  
comprised 0.7-2.5% of all CD8sup + T cells in the vaccinee. DNA vaccines  
also induced virus-specific, cytotoxic...

DRUG DESCRIPTORS:

\*\*DNA\* \*vaccine\*; \*gamma interferon

11/3,K/12 (Item 4 from file: 73)

DIALOG(R) File 73:EMBASE

(c) 2000 Elsevier Science B.V. All rts. reserv.

07863221 EMBASE No: 1999343601

**DNA pulsed macrophage-mediated cDNA expression library immunization in  
vaccine development**

Manoutcharian K.; Terrazas L.I.; Gevorkian G.; Govezensky T.

K. Manoutcharian, Instituto Investigaciones Biomedicas, Universidad  
Nacional Autonoma, Ciudad Universitaria, Apartado Postal 70228, CP 04510  
Mexico D.F. Mexico

AUTHOR EMAIL: karman@servidor.unam.mx

Vaccine ( VACCINE ) (United Kingdom) 1999, 18/5-6 (389-391)

CODEN: VACCD ISSN: 0264-410X

PUBLISHER ITEM IDENTIFIER: S0264410X9900239X

DOCUMENT TYPE: Journal; Article

LANGUAGE: ENGLISH SUMMARY LANGUAGE: ENGLISH

NUMBER OF REFERENCES: 9

...s cDNA clones, has been previously used in our laboratory in an  
experimental model of murine Taenia crassiceps cysticercosis. In this study  
we show that \*ex\* \*vivo\* immunization of mice with macrophages pulsed in  
vitro with plasmid DNA containing cDNA expression library (2x10sup 4  
clones) leads to significant reduction of parasite load...

DRUG DESCRIPTORS:

\*complementary DNA; \*plasmid \*DNA\*; \*\*vaccine\*--drug development--dv

11/3,K/13 (Item 5 from file: 73)

DIALOG(R) File 73:EMBASE

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07454921 EMBASE No: 1998364271

**Gene transfer in dendritic cells, induced by oral DNA vaccination with  
Salmonella typhimurium, results in protective immunity against a murine  
fibrosarcoma**

Paglia P.; Medina E.; Arioli I.; Guzman C.A.; Colombo M.P.

Dr. M.P. Colombo, Division of Experimental Oncology D, Ist. Naz. Studio e  
Cura dei Tumori, Via Venezian 1, I-20133 Milano Italy

AUTHOR EMAIL: mcolombo@istitutotumori.mi.it

Blood ( BLOOD ) (United States) 01 NOV 1998, 92/9 (3172-3176)

CODEN: BLOOA ISSN: 0006-4971

DOCUMENT TYPE: Journal; Article

LANGUAGE: ENGLISH SUMMARY LANGUAGE: ENGLISH

NUMBER OF REFERENCES: 27

...CD11c(bright) dendritic cells (DCs) were scored as positive for GFP expression. Extensive work has been performed trying to optimize the way to transfect DCs, \*ex\* \*vivo\*, with genes coding for relevant antigens. We show here, for the first time, that DCs can be directly and specifically transduced in vivo such to...

DRUG DESCRIPTORS:

\*cancer vaccine; \*\*dna\* \*vaccine\*

11/3,K/14 (Item 6 from file: 73)

DIALOG(R)File 73:EMBASE

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07110119 EMBASE No: 1998001081

**Influence of cellular location of expressed antigen on the efficacy of DNA vaccination: Cytotoxic T lymphocyte and antibody responses are suboptimal when antigen is cytoplasmic after intramuscular DNA immunization**

Boyle J.S.; Koniaras C.; Lew A.M.

A.M. Lew, Burnet Clinical Research Unit, W and E Hall Inst. Medical Research, Melbourne, Vic. 3050 Australia

International Immunology ( INT. IMMUNOL. ) (United Kingdom) 1997, 9/12 (1897-1906)

CODEN: INIME ISSN: 0953-8178

DOCUMENT TYPE: Journal; Article

LANGUAGE: ENGLISH SUMMARY LANGUAGE: ENGLISH

NUMBER OF REFERENCES: 42

...professional antigen-presenting cells. In contrast, intradermal immunization with cOVA produced optimal CTL responses but, as with mOVA, suboptimal antibody responses. This, together with our \*ex\* \*vivo\* RT-PCR analysis showing similar mRNA levels from all three constructs 7 days post-immunization, argues against the differential CTL response for i.m. injection...

DRUG DESCRIPTORS:

\*\*dna\* \*vaccine\*

?ds

Set	Items	Description
S1	2358	(GENETIC (W) IMMUNIZATION) OR (DNA (W) VACCINE)
S2	0	(B-CELL (W) EPITOPE) OR (T-CELL (W) EPITOPE)
S3	3462	(T (W) CELL (W) EPITOPE) OR (B (W) CELL (W) EPITOPE)
S4	16	S1 AND S3
S5	11	RD (unique items)
S6	0	S5 AND (COATED (W) PARTICLE?)
S7	1164	S1 AND (HUMAN)
S8	0	S7 AND (EX (W) VIVO (W) GENE THERAPY)
S9	1	S1 AND (HUMAN (W) TRIAL)
S10	26	S1 AND (EX (W) VIVO )
S11	14	RD (unique items)

?s s1 and (coated (w) particle?)

2358 S1

90804 COATED

249948 PARTICLE?

964 COATED(W) PARTICLE?

S12 4 S1 AND (COATED (W) PARTICLE?)

?rd

...completed examining records

S13 2 RD (unique items)

?t s13/3,k/all

13/3,K/1 (Item 1 from file: 155)

DIALOG(R)File 155:MEDLINE(R)

(c) format only 2000 Dialog Corporation. All rts. reserv.

09527957 98285732

**Protective immunity induced by oral immunization with a rotavirus \*DNA\*  
\*vaccine\* encapsulated in microparticles.**

Chen SC; Jones DH; Fynan EF; Farrar GH; Clegg JC; Greenberg HB; Herrmann JE

Division of Infectious Diseases and Immunology, University of Massachusetts Medical School, Worcester, Massachusetts 01655, USA.

Journal of virology (UNITED STATES) Jul 1998, 72 (7) p5757-61, ISSN 0022-538X Journal Code: KCV

Contract/Grant No.: R01 AI39637, AI, NIAID; R41 AI40449, AI, NIAID

Languages: ENGLISH

Document type: JOURNAL ARTICLE

**Protective immunity induced by oral immunization with a rotavirus \*DNA\*  
\*vaccine\* encapsulated in microparticles.**

DNA vaccines are usually given by intramuscular injection or by gene gun delivery of DNA-\*coated\* \*particles\* into the epidermis. Induction of mucosal immunity by targeting DNA vaccines to mucosal surfaces may offer advantages, and an oral vaccine could be effective for controlling infections of the gut mucosa. In a murine model, we obtained protective immune responses after oral immunization with a rotavirus VP6 \*DNA\* \*vaccine\* encapsulated in poly(lactide-coglycolide) (PLG) microparticles. One dose of vaccine given to BALB/c mice elicited both rotavirus-specific serum antibodies and intestinal immunoglobulin...

... that we obtained with PLG-encapsulated rotavirus VP6 DNA are the first to demonstrate protection against an infectious agent elicited after oral administration of a \*DNA\* \*vaccine\*.

13/3,K/2 (Item 1 from file: 73)

DIALOG(R)File 73:EMBASE

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07935567 EMBASE No: 1999409162

**Gene gun approaches for \*DNA\* \*vaccine\* and cytokine gene therapy in  
protozoan parasite infection**

Sakai T.; Himeno K.

T. Sakai, Dept. of Parasitology and Immunology, Univ. of Tokushima Sch. of Medicine, Tokushima Japan

Shikoku Acta Medica ( SHIKOKU ACTA MED. ) (Japan) 25 OCT 1999, 55/5 (180-185)

CODEN: SKIZA ISSN: 0037-3699

DOCUMENT TYPE: Journal; Article

LANGUAGE: JAPANESE SUMMARY LANGUAGE: ENGLISH; JAPANESE

NUMBER OF REFERENCES: 19

**Gene gun approaches for \*DNA\* \*vaccine\* and cytokine gene therapy in  
protozoan parasite infection**

The particle-mediated method for gene delivery with a gun utilizes a shock wave to accelerate DNA-\*coated\* \*particles\* into target cells or tissues. This gene delivery method is effective in various somatic tissues in vitro and in vivo. We have, herein, applied this gene delivery system to \*DNA\* \*vaccine\* and cytokine gene therapy for protozoan parasite infections. We used cDNA encoding 47 kDa of Plasmodium falciparum serine repeat antigen (SERA) that is a vaccine...

...in vivo regulated systemic immune responses and furthermore this treatment and progression of experimental trypanosomiasis. Therefore, this gene gun approach may be a useful for \*DNA\* \*vaccine\* and gene therapy in a wide spectrum of diseases other than protozoan parasite infection.

DRUG DESCRIPTORS:

\*\*DNA\* \*vaccine\*--drug development--dv; \*cytokine

?ds

Set	Items	Description
S1	2358	(GENETIC (W) IMMUNIZATION) OR (DNA (W) VACCINE)
S2	0	(B-CELL (W) EPITOPE) OR (T-CELL (W) EPITOPE)
S3	3462	(T (W) CELL (W) EPITOPE) OR (B (W) CELL (W) EPITOPE)
S4	16	S1 AND S3
S5	11	RD (unique items)
S6	0	S5 AND (COATED (W) PARTICLE?)
S7	1164	S1 AND (HUMAN)
S8	0	S7 AND (EX (W) VIVO (W) GENE THERAPY)
S9	1	S1 AND (HUMAN (W) TRIAL)
S10	26	S1 AND (EX (W) VIVO )
S11	14	RD (unique items)
S12	4	S1 AND (COATED (W) PARTICLE?)
S13	2	RD (unique items)

?logoff

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14sep00 11:46:09 User259876 Session D109.2
$3.80      1.189 DialUnits File155
$2.00  10 Type(s) in Format  3
$2.00  10 Types
$5.80 Estimated cost File155
$8.25    1.474 DialUnits File5
$9.90   6 Type(s) in Format  3
$9.90   6 Types
$18.15 Estimated cost File5
$14.32   1.685 DialUnits File73
$28.20  12 Type(s) in Format  3
$28.20  12 Types
$42.52 Estimated cost File73
OneSearch, 3 files,  4.347 DialUnits FileOS
$0.65 TYMNET
$67.12 Estimated cost this search
$67.54 Estimated total session cost  4.465 DialUnits

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### Status: Signed Off. (13 minutes)